

**Table 2.1b Residential Sector Energy Consumption, Selected Years, 1949-2008**  
(Trillion Btu)

| Year              | Primary Consumption <sup>1</sup> |                          |           |        |                               |          |         |       | Total Primary | Electricity Retail Sales <sup>4</sup> | Electrical System Energy Losses <sup>5</sup> | Total   |
|-------------------|----------------------------------|--------------------------|-----------|--------|-------------------------------|----------|---------|-------|---------------|---------------------------------------|--|---------|
|                   | Fossil Fuels                     |                          |           |        | Renewable Energy <sup>2</sup> |          |         |       |               |                                       |  |         |
|                   | Coal                             | Natural Gas <sup>3</sup> | Petroleum | Total  | Geothermal                    | Solar/PV | Biomass | Total |               |                                       |  |         |
| 1949              | 1,272                            | 1,027                    | 1,121     | 3,420  | NA                            | NA       | 1,055   | 1,055 | 4,475         | 228                                   | 911  | 5,614   |
| 1950              | 1,261                            | 1,240                    | 1,340     | 3,842  | NA                            | NA       | 1,006   | 1,006 | 4,848         | 246                                   | 913  | 6,007   |
| 1955              | 867                              | 2,198                    | 1,792     | 4,858  | NA                            | NA       | 775     | 775   | 5,633         | 438                                   | 1,232  | 7,303   |
| 1960              | 585                              | 3,212                    | 2,265     | 6,062  | NA                            | NA       | 627     | 627   | 6,689         | 687                                   | 1,701  | 9,078   |
| 1965              | 352                              | 4,028                    | 2,481     | 6,860  | NA                            | NA       | 468     | 468   | 7,328         | 993                                   | 2,368  | 10,689  |
| 1970              | 209                              | 4,987                    | 2,755     | 7,952  | NA                            | NA       | 401     | 401   | 8,353         | 1,591                                 | 3,854  | 13,798  |
| 1971              | 172                              | 5,126                    | 2,777     | 8,075  | NA                            | NA       | 382     | 382   | 8,457         | 1,704                                 | 4,116  | 14,278  |
| 1972              | 116                              | 5,264                    | 2,895     | 8,276  | NA                            | NA       | 380     | 380   | 8,655         | 1,838                                 | 4,397  | 14,891  |
| 1973              | 94                               | 4,977                    | 2,825     | 7,896  | NA                            | NA       | 354     | 354   | 8,250         | 1,976                                 | 4,703  | 14,930  |
| 1974              | 82                               | 4,901                    | 2,573     | 7,557  | NA                            | NA       | 371     | 371   | 7,928         | 1,973                                 | 4,783  | 14,683  |
| 1975              | 63                               | 5,023                    | 2,495     | 7,580  | NA                            | NA       | 425     | 425   | 8,006         | 2,007                                 | 4,829  | 14,842  |
| 1976              | 59                               | 5,147                    | 2,720     | 7,927  | NA                            | NA       | 482     | 482   | 8,408         | 2,069                                 | 4,963  | 15,441  |
| 1977              | 57                               | 4,913                    | 2,695     | 7,666  | NA                            | NA       | 542     | 542   | 8,207         | 2,202                                 | 5,280  | 15,689  |
| 1978              | 49                               | 4,981                    | 2,620     | 7,651  | NA                            | NA       | 622     | 622   | 8,272         | 2,301                                 | 5,582  | 16,156  |
| 1979              | 37                               | 5,055                    | 2,114     | 7,206  | NA                            | NA       | 728     | 728   | 7,934         | 2,330                                 | 5,578  | 15,842  |
| 1980              | 31                               | 4,825                    | 1,748     | 6,603  | NA                            | NA       | 850     | 850   | 7,453         | 2,448                                 | 5,885  | 15,787  |
| 1981              | 30                               | 4,614                    | 1,543     | 6,188  | NA                            | NA       | 870     | 870   | 7,058         | 2,464                                 | 5,773  | 15,295  |
| 1982              | 32                               | 4,711                    | 1,441     | 6,184  | NA                            | NA       | 970     | 970   | 7,154         | 2,489                                 | 5,914  | 15,557  |
| 1983              | 31                               | 4,478                    | 1,362     | 5,871  | NA                            | NA       | 970     | 970   | 6,841         | 2,562                                 | 6,054  | 15,457  |
| 1984              | 40                               | 4,661                    | R1,540    | R6,241 | NA                            | NA       | 980     | 980   | R7,221        | 2,662                                 | 6,116  | R15,998 |
| 1985              | 39                               | 4,534                    | 1,578     | 6,151  | NA                            | NA       | 1,010   | 1,010 | 7,161         | 2,709                                 | 6,219  | 16,088  |
| 1986              | 40                               | 4,405                    | 1,556     | 6,002  | NA                            | NA       | 920     | 920   | 6,922         | 2,795                                 | 6,313  | 16,029  |
| 1987              | 37                               | 4,420                    | 1,634     | 6,091  | NA                            | NA       | 850     | 850   | 6,941         | 2,902                                 | 6,479  | 16,321  |
| 1988              | 37                               | 4,735                    | 1,690     | 6,462  | NA                            | NA       | 910     | 910   | 7,372         | 3,046                                 | 6,768  | 17,186  |
| 1989              | 31                               | 4,899                    | 1,679     | 6,608  | 5                             | 53       | 920     | 978   | 7,586         | 3,090                                 | 7,182  | 17,858  |
| 1990              | 31                               | 4,491                    | 1,407     | 5,929  | 6                             | 56       | 580     | 641   | 6,570         | 3,153                                 | 7,291  | 17,015  |
| 1991              | 25                               | 4,667                    | 1,392     | 6,085  | 6                             | 58       | 610     | 674   | 6,758         | 3,260                                 | 7,472  | 17,490  |
| 1992              | 26                               | 4,805                    | 1,427     | 6,257  | 6                             | 60       | 640     | 706   | 6,963         | 3,193                                 | 7,270  | 17,427  |
| 1993              | 26                               | 5,063                    | 1,448     | 6,537  | 7                             | 62       | 550     | 618   | 7,156         | 3,394                                 | 7,739  | 18,289  |
| 1994              | 21                               | 4,960                    | 1,420     | 6,401  | 6                             | 64       | 520     | 590   | 6,991         | 3,441                                 | 7,750  | 18,181  |
| 1995              | 17                               | 4,954                    | 1,383     | 6,355  | 7                             | 65       | 520     | 591   | 6,946         | 3,557                                 | 8,075  | 18,578  |
| 1996              | 17                               | 5,354                    | 1,488     | 6,859  | 7                             | 65       | 540     | 612   | 7,471         | 3,694                                 | 8,397  | 19,562  |
| 1997              | 16                               | 5,093                    | 1,428     | 6,537  | 8                             | 65       | 430     | 503   | 7,040         | 3,671                                 | 8,315  | 19,026  |
| 1998              | 12                               | 4,646                    | 1,314     | 5,971  | 8                             | 65       | 380     | 452   | 6,424         | 3,856                                 | 8,741  | 19,021  |
| 1999              | 14                               | 4,835                    | 1,473     | 6,322  | 9                             | 64       | 390     | 462   | 6,784         | 3,906                                 | 8,931  | 19,621  |
| 2000              | 11                               | 5,105                    | 1,563     | 6,679  | 9                             | 61       | 420     | 490   | 7,169         | 4,069                                 | 9,250  | 20,488  |
| 2001              | 12                               | 4,889                    | 1,539     | 6,440  | 9                             | 60       | 370     | 439   | 6,879         | 4,100                                 | 9,127  | 20,106  |
| 2002              | 12                               | 5,014                    | 1,463     | 6,489  | 10                            | 59       | 380     | 449   | 6,938         | 4,317                                 | 9,619  | 20,874  |
| 2003              | 12                               | 5,230                    | 1,539     | 6,781  | 13                            | 58       | 400     | 471   | 7,252         | 4,353                                 | 9,603  | 21,208  |
| 2004              | 11                               | 4,986                    | 1,539     | 6,537  | 14                            | 59       | 410     | 483   | 7,019         | 4,408                                 | 9,750  | 21,178  |
| 2005              | 8                                | 4,951                    | 1,455     | 6,414  | 16                            | 61       | R430    | R507  | R6,921        | 4,638                                 | 10,139                                       | R21,697 |
| 2006              | 6                                | 4,476                    | R1,233    | R5,715 | 18                            | 67       | R390    | R475  | R6,191        | 4,611                                 | 9,968  | R20,770 |
| 2007              | R8                               | R4,840                   | R1,251    | R6,099 | 22                            | R75      | R430    | R527  | R6,626        | R4,750                                | R10,243                                      | R21,619 |
| 2008 <sup>P</sup> | 7                                | 4,994                    | 1,178     | 6,179  | 26                            | 83       | 490     | 599   | 6,778         | 4,706                                 | 10,152                                       | 21,637  |

<sup>1</sup> See "Primary Energy Consumption" in Glossary.

<sup>2</sup> Data are estimates. See Table 10.2a for notes on series components.

<sup>3</sup> Natural gas only; excludes the estimated portion of supplemental gaseous fuels. See Note 1, "Supplemental Gaseous Fuels," at end of Section 6.

<sup>4</sup> Electricity retail sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

<sup>5</sup> Total losses are calculated as the primary energy consumed by the electric power sector minus the

energy content of electricity retail sales. Total losses are allocated to the end-use sectors in proportion to each sector's share of total electricity retail sales. See Note, "Electrical System Energy Losses," at end of section.

R=Revised. P=Preliminary. NA=Not available.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: For all data beginning in 1949, see <http://www.eia.doe.gov/emeu/aer/consump.html>.

Sources: Tables 2.1f, 5.14a, 6.5, 7.3, 8.9, 10.2a, A4, A5, and A6.